

Abstract

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The invention relates to a device for measuring light-activated fluorescence of at least one coating that contains a fluorescent material, and its use for measuring fluid materials which cause fluorescence-quenching in at least one of the fluorescent coatings. To activate the fluorescence, at least one first light wave guide is directed onto at least one coating applied to a support and the fluorescent light is directed at a detector by means of at least one second light wave guide, in order to determine the intensity of the fluorescent light. The end faces of the different fluorescent light wave guides are then arranged, taking into account the numerical apertures of the different light wave guides and/or with reference to at least one coating containing a fluorescent material, in such a way that a local coordination of the measurable fluorescence intensity can be attained, and that the light source(s), light wave guides and the detector(s) are lodged in a measuring head.